SEQUENCE LIS**IARZO RCC'** d PCT/PTO 09 MAY- 2006

```
<110> Klussmann, Sven
      Helmling, Steffen
      Eulberg, Dirk
      Maasch, Christian
      Buchner, Klaus
<120> Nucleic Acids Specifically Binding Bioactive Ghrelin
<130> 14167*2
<150> PCT/EP04/012739
<151> 2004-11-10
<150> EP 03025743.0
<151> 2003-11-10
<160> 21
<170> PatentIn version 3.1
<210> 1
<211> 48
<212> RNA
<213> Artificial
<220>
<221> misc_feature
<223> consensus sequence L-NOX-B11
<220>
<221> misc feature
<223> ghrelin binder consensus sequence L-NOX-B11
<220>
<221> misc feature
<222> (7)..(7)
<223> n is any of a, g, c and u
<220>
<221> misc_feature
<222> (13)..(13)
<223> n is any of a, g, c and u
<220>
<221> misc_feature
<222> (19)...(19) <223> n is any of a, g, c and u
<220>
<221> misc feature
<222> (45)..(45)
<223> n is any of a, g, c and u
```

<400> cgugygi	1 nagg yanaaaacnu	aarwccgaag	guaaccawuc	cuacnacg	48
<210> <211> <212> <213>	47				
	misc_feature ghrelin binder	L-NOX-B11			
<400> cguguga	2 aggc aauaaaacuu	aaguccgaag	guaaccaauc	cuacacg	47
<210> <211> <212> <213>					
	misc_feature ghrelin binder	L-NOX-G2			
<400> cguguga	3 aggc aguaaaacuu	aaguccgaag	guaaccaauc	cuacacg	47
<210> <211> <212> <213>	47				
	misc_feature ghrelin binder	L-NOX-E12			
<400> cguguga	4 aggc aauaaaacuu	aaguccgaag	guaaccaauc	cugcacg	47
<210> <211> <212> <213>					
<220> <221> <223>	misc_feature ghrelin binder	L-NOX-B7			
<400>	5 aggc aauaaaacau	aadiiccaaaa	dijaaccaaiic	chacaca	47
<210>	6	aayuccyady	guaaccaauc	cuacacy	

```
<211> 47
<212> RNA
<213> Artificial
<220>
<221> misc_feature
<223> ghrelin binder L-NOX-A8
<400> 6
cgugugaggc aauaaaacgu aaguccgaag guaaccaauc cuacacg
                                                                     47
<210> 7
<211> 49
<212> RNA
<213> Artificial
<220>
<221> misc feature
<223> ghrelin binder L-NOX-B12
<400> 7
cgugugaggc aauaaaacuu guaaguccga agguaaccaa uccuacacg
                                                                     49
<210> 8
<211> 48
<212> RNA
<213> Artificial
<220>
<221> misc feature
<223> ghrelin binder L-NOX-E3
<400> 8
cgugugaggc aauaaaaacu uaaguccgaa gguaaccaau ccuacacg
                                                                     48
<210> 9
<211> 50
<212> RNA
<213> Artificial
<220>
<221> misc feature
<223> ghrelin binder L-NOX-C12
<400> 9
                                                                     50
cgugcgguga ggcaaaaacg uaagaccgaa gguaaccauu ccuacccacg
<210> 10
      50
<211>
<212> RNA
<213> Artificial
<220>
```

	ghrelin binder	L-NOX-C11				
<400> cguguga	10 aggu aguaaaaaaa	cguaaauccg	aagguaacca	auccuacacg		50
<210> <211> <212> <213>						
	misc_feature ghrelin binder	L-NOX-A3				
<400> cguguga	11 aggu aguaaaaaaa	aaacguaaau	ccgaagguaa	ccaauccuac	acg	53
<210> <211> <212> <213>	54					
	misc_feature ghrelin binder	L-NOX-F5				
<400> cguguga	12 aggu aguaaaaaaa	aaaacguaaa	uccgaaggua	accaguccua	cacg	54
<210> <211> <212> <213>	55					
	misc_feature ghrelin binder	L-NOX-A12				
<400> cguguga	13 aggu aguaaaaaaa	aaaaacguaa	auccgaaggu	aaccaauccu	acacg	55
<210> <211> <212>	56					
<213>	Artificial					
	misc_feature ghrelin binder	L-NOX-F12				
<400>	14 aggu aguaaaaaaa	aaaaaacqua	aauccgaagg	uaaccaaucc	uacacg	56

```
<210> 15
<211>
      59
<212> RNA
<213> Artificial
<220>
<221> misc_feature
<223> ghrelin binder L-NOX-G5
<400> 15
cgugugaggu aguaaaaaaa aaaaaaaaac auaaauccga agguaaccaa uccuacacg
                                                                     59
<210> 16
<211> 28
<212> PRT
<213> Homo sapiens
<220>
<221> misc feature
<223> human ghrelin
<400> 16
Gly Ser Ser Phe Leu Ser Pro Glu His Gln Arg Val Gln Gln Arg Lys
               5
                                   10
Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
           20
<210> 17
<211> 10
<212> PRT
<213> Homo sapiens
<220>
<221>
      misc_feature
<223> amino acids 1 to 10 of human ghrelin
<400> 17
Gly Ser Ser Phe Leu Ser Pro Glu His Gln
               5
                                   10
1
<210> 18
<211>
      5
<212> PRT
<213> Homo sapiens
<220>
<221> misc_feature
<223> amino acids 1 to 5 of human ghrelin
```

```
<400> 18
Gly Ser Ser Phe Leu
<210> 19
<211> 28
<212> PRT
<213> rat
<220>
<221> misc_feature
<223> rat ghrelin
<400> 19
Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Ala Gln Gln Arg Lys
Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
            20
<210> 20
<211> 17
<212> RNA
<213> Artificial
<220>
<221> misc_feature
<223> 5' flank sequence
<400> 20
                                                                         17
ggagcucaga cuucacu
<210> 21
<211> 18
<212> RNA
<213> Artificial
<220>
<221> misc_feature
<223> 3' flank sequence
<400> 21
                                                                         18
uaccacuguc gguuccac
```